

IN THE CLAIMS

✓ Amend claims 12-19 and 21, and add new claims 26-28 as set forth below.

1-11. (Canceled).

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12. (Currently Amended) A base station used in a code division multiple access mobile communication system, said base station comprising:

a transmitting circuit that transmits a control signal via perch channels,

said perch channels being formed such that a long period code assigned to said base station and a first short period code are mapped in a first section of one slot of said perch channel and a predetermined short period code is mapped in a second section of said one slot,

wherein a symbol length of said predetermined short period code is set to a value smaller than a symbol length of said first short period code spreading said first section—a first section of one slot of said control signal being spread by a long period code assigned to said base station, a second

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~~section of said one slot being spread by a first short period code having a spreading factor smaller than a spreading factor of said long period code and a second short period code having a spreading factor equal to or smaller than the spreading factor of said long period code.~~

13. (Currently Amended) A code division multiple access mobile communication system in which, when a mobile terminal moves from one base station area to another base station area, a long code masked symbol is used to detect a long code mapped to a first section and slot timing employed for said another base station area, use is made of a long code masked symbol to detect a spread code and frame/slot timing employed for said another base station area, and a second section of said long code masked symbol including includes a repetition of short codes prepared corresponding to classification of a long code.

14. (Currently Amended) A mobile communication system according to claim 13, wherein said section of said long code masked symbol further includes a common short code (CSC), and

spreading factors of said CSC and of said short codes prepared corresponding to said classification are smaller than a spreading factor of other symbols on a perch channel.

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15. (Currently Amended) A base station used in a code division multiple access mobile communication system, the base station comprising:

a transmitting circuit for transmitting a control signal via perch channel having a long code and a short code mapped in a data symbol section of one slot and means for transmitting a control signal spread by a long code and a short code in a data symbol section of one slot of a perch channel; and

~~means for transmitting a repetition of short codes, prepared corresponding to classification of a long code, in a long code masked symbol section of said one slot.~~

16. (Currently Amended) A base station according to claim 15, wherein said long code masked symbol section further includes a common short code (CSC), and spreading factors of said CSC and of said short codes prepared corresponding to

said classification are smaller than a spreading factor of
said data symbol section ~~other symbols on a perch channel.~~

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17. (Currently Amended) A base station according to
claim 15, wherein transmission power with which the
transmission of said repetition of short codes is performed is
equal to one-(n-th) transmission power with which the
transmission of said control signal is performed in said data
symbol section, n representing a number of times of said
repetition of short codes.

18. (Currently Amended) A base station according to
claim 16, wherein transmission power with which the
transmission of said repetition of short codes is performed is
equal to one-(n-th) transmission power with which the
transmission of said control signal is performed in said data
symbol section, n representing a number of times of said
repetition of short codes.

19. (Currently Amended) A base station used in a code division multiple access mobile communication system, the base station comprising:

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a transmitting circuit ~~means~~ for transmitting a control signal spread by a long code and a short code in a data symbol section of one slot of a perch channel; ~~and~~
~~— means —~~ and for transmitting a common short code (CSC) and a group identification short code (GISC) with different timing in different ones of a plurality of sections into which a long code masked symbol section of said one slot is divided.

20. (Previously Presented) A base station according to claim 19, wherein a long code identification group is classified by the timing with which said GISC is transmitted in said sections into which the long code masked symbol section of said one slot is divided.

21. (Currently Amended) A code division multiple access mobile communication method in which, when a mobile terminal moves from one base station to another base station area, a

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~~long code masked symbol is used for detecting a long code of a first section, said first section having said long code and a short code mapped in it, and spread code and frame/slot timing employed for said another base station area, a spreading factor of said long code masked symbol being made smaller than spreading factors of said short code other data symbols.~~

22. (Previously Presented) A mobile communication method according to claim 21, wherein said long code masked symbol includes a common short code (CSC) and a group identification short code (GISC), one of said CSC and GISC being transmitted in a long code masked symbol section in a time division fashion.

23. (Previously Presented) A mobile communication method according to claim 21, wherein a plurality of timing sections are provided for transmitting GISCs within said long code masked symbol section, wherein a number of long code identification groups are established depending on in which one of said timing sections a GISC is transmitted, said number

of long code identification groups to be established being larger than a number of said GISCs.

24. (Previously Presented) A mobile communication method according to claim 21, wherein said long code masked symbol includes a group identification short code (GISC), and said GISC is transmitted a plural times with reduced transmission power.

25. (Previously Presented) A mobile communication method according to claim 24, wherein said long code masked symbol includes a common short code (CSC), and a spreading factor of said CSC is smaller than that of said GISC in transmission of a control signal.

26. (New) A base station used in a code division multiple access (CDMA) communication system, said base station comprising:

a transmitting circuit for transmitting a control signal via a perch channels, said perch channels being formed such that a long period code assigned to said base station and

a first short period code is mapped in a first section of one slot of said perch channel, and a second short period code common to base stations in said CDMA communication system and a third short period code are mapped in a second section of said one slot,

wherein a spreading factor of said second short period code is smaller than a spreading factor of said first short period code, and a spreading factor of said third short period code is equal to or smaller than the spreading factor of said first short period code.

27. (New) A base station according to claim 26, wherein said third short period code is one of a plurality of short period codes each corresponding to classification of the long period code spreading said first section.

28. (New) A base station according to claim 26, wherein said third short period code is transmitted plural times within said second section of said one slot.